APPENDIX E HSC-28 Local Command Procedures

HSC-28 Maintenance Training Program

From: Maintenance Officer
To: Maintenance Department

Subj: LOCAL COMMAND PROCEDURES FOR NAVAL AVIATION MAINTENANCE PROGRAM STANDARD OPERATING PROCEDURES (NAMPSOP) (COMNAVAIRFORINST 4790.2, VOLUME V) CHAPTER 2

Ref: (a) COMNAVAIRFORINST 4790.2
(b) COMNAVAIRLANTINST 1510.22D
(c) COMHELTACWINGLANTINST 1540.1H
(d) CHSCWL MAINTENANCE TRAINING PROGRAM LCP Dated MAR 05
(e) OPNAVINST 3120.32C CHAPTER 8
(f) COMHELTACWINGLANTINST 4790.7A
(g) COMHELTACWINGLANTINST 4790.6
(h) CHSCWL PLANE CAPTAIN QUALIFICATION PROGRAM LCP Dated JUN 03

Encl: (1) Training Request Form
(2) Division Officer/Workcenter Supervisor Training Documentation Form
(3) Required Maintenance Training
(4) Professional Training Matrix
(5) Quality Assurance Personnel Indoctrination
(6) CDI/CDQAR/QAR Syllabus
(7) CDI Waiver Request
(8) Qualification Suspension/Revocation Form
(9) Maintenance Actions Requiring Quality Assurance Inspection
(10) Collateral Duty Assignment Form

1. Purpose and Scope.

a. This supplement provides additional requirements for the Maintenance Training Program.

2. Local Command Procedures.

a. Formal training schools shall be requested via the Division Chief, Division Officer and approved by the individual's Department Head using enclosure (1).

b. Training Requirements.

(1) Division Officers and workcenter supervisors shall use enclosure (2) for their personnel in monitoring training progress.

(2) Workcenter supervisors may use enclosure (4) to schedule professional training.

(3) In accordance with the guidelines set forth in references (a) thru (e), the following documents shall be filed in the member's Qualification/Certification Record: Required Maintenance Training shall be logged on enclosure (3). General Military Training and Follow-on Training and Additional command Requirements shall be logged on reference (d) enclosure (4). In-Rate/Professional Training, NAMP Follow-on Training, NAVOSH/Safety Training, and Additional Safety Training shall be logged on reference (d) enclosure (3).

(4) All personnel assigned a collateral duty shall be documented using enclosure (10) if another form has not already been designated.

(5) Plane Captains shall be MH-60S APU qualified operators.

3. Qualification/Certification Record Requirements.

a. Training Record Left Side

(1) A MAF bag attached to the back of the left divider may contain the following original documents. This does not however preclude the requirement of having a copy of the same document in the applicable section.

(a) Current signed original of Support Equipment Operator's License OPNAVINST 4790/102.

(b) Current Respirator Fit Card

(c) Current NAS Norfolk Airport Drivers Permit Class II form NAS NORVA 5510/16.

(d) Current CPR Certification Card.

(2) Section 1 (Current Letters/Certificates of Designation/Qualification). Contents shall be arranged in the following order:

(a) MH-60S Safe for Flight Certification reference (d) enclosure (6).

(b) Quality Assurance Representative/Inspector Recommendation/Designation OPNAV 4790/12

(c) Plane Captain Designation OPNAV 4790/158

(d) MH-60S AVAP Equipment Operator and Signature Interpreter OJT/Designation reference (f) enclosure (4).

(e) MH-60S APU Turn-up, Rotor Blade Fold/Spread Operator Designation

(f) Tire and Wheel Qualification reference (a) Vol V fig 7-1, 7-2, 7-3, and 7-4.

(g) Hydraulic Contamination Designation reference (a) Vol V fig 6-1, 6-2, and 6-3.

(h) MH-60S Brake Rider Syllabus reference (h) enclosure (12).

(i) Support Equipment License 4790/102 signed copy.

(3) Section 2 (Medical Certifications). Copies or originals of Medical Form DD2216 and Clearance Notice NAVMED 6410/2 shall not be allowed in this section. The following medical certifications shall be maintained in this section:

(a) Training Jacket Medical form reference (d) enclosure (7).

(b) Copy of the current signed CPR card.

(c) Copy of respirator fit test card if applicable.

(d) Copy of Request for Medical Clearance for Respirator Use Questionnaire if applicable.

(d) Copy of Respirator Certification Form if applicable.

(4) Section 3 (Course Completion Certificates). This section shall contain licenses and course completion certificates in the following order:

(a) Copy of individuals drivers license.

(b) Copy of individuals white license (if applicable).

(a) MH-60S SE License Certifications in order as listed on Support Equipment Operator’s License OPNAVINST 4790/102.

(b) Supervisor Safety Training if applicable.

(c) Supervisor Safety (Industrial) Training if applicable.

(5) Section 4 (PQS Completion Certificates). The following completed PQS shall be maintained in this section:

(a) Quality Assurance Personnel Indoctrination enclosure (8) if applicable.

(b) HSC-28 MH-60S Helicopter Rotor Blade Fold/Spread Operator Training Syllabus enclosure (11).

(c) Completed W/C OJT.

b. Training Record Right Side

(1) Section 1 (Billet Descriptions/Assignments). This section shall contain Collateral Duty Assignment Form enclosure (10) for all personnel assigned a collateral duty if another form has not already been designated. These billets include Leading Petty Officer, Workcenter Team Member, Tool Control Petty Officer, Maintenance Safety Petty Officer, FOD Petty Officer, HAZMAT Petty Officer, Emergency Reclamation Petty Officer, and ESD Petty Officer.

(2) Section 2 (NAMP Indoctrination Training).

(a) NAMP Indoctrination Training reference (a) Vol V fig 2-5.

(b) NAMP Follow-on training reference (d) enclosure (3).

(3) Section 3 (Maintenance Training Syllabus). This section shall contain current and previous Maintenance Training Syllabus requirements in the following order:

(a) Minimum Required Training Syllabus enclosure (2).

(b) In/Rate Professional Training reference (d) enclosure (3).

(c) GMT Training reference (d) enclosure (4).

(d) Follow-On Training and Additional Command Requirements reference (d) enclosure (4).

(e) Generic Ratings QPT Syllabus reference (d) enclosure (4).

(f) MH-60S QPT Syllabus reference (d) enclosure (11).

(g) In work CDI/CDQAR/QAR Syllabus enclosure (6). Completed syllabi will be placed in section 4 on the left side.

(4) Section 4 (NAVOSH Training). Current NAVOSH/Safety Training reference (d) enclosure (3) up to four years shall be maintained in this section.

(5) Section 5 (Egress/Explosive System Checkout Certification). This section shall contain a current signed Egress System Checkout Certification.

c. Ordnance Certification Record Requirements.

(1) Qualified ordnance personnel and personnel awaiting their ordnance qualification shall maintain a separate record in a divided folder containing the following information in order.

(a) Certification Form. Newest on top, old on bottom.

(b) AA&E Screening.

(c) OJT in work.
(d) OJT Completed.
(e) Medical/Required Reading/Certificates.
(f) Board Member Walk around sheet.

3. CDI, CDQAR and QAR Qualifications.

a. Division Officers shall nominate personnel for designation as CDI, CDQAR, and QAR using enclosure (5).

b. Member must complete enclosure (5) and (6) to obtain CDI, CDQAR, QAR qualifications. All CDQAR/QARs must also be qualified using enclosure (9) p 8.

c. Member must earn a minimum score of 90% on each CDI test. The first failure of a test will result in a minimum waiting period of 5 regular working days. A second failure will result in a minimum waiting period of 15 regular working days.

d. Requalification of a member from another H-60 platform or MH-60S command shall be accomplished by successfully passing the appropriate rate specific CDI test and QA interviews.

e. Qualification as CDQAR/QAR after initial CDI qualification will be dependent on member work performance, maturity, and professionalism and not necessarily on a minimum time period.

e. All waivers shall be submitted to the Maintenance Officer using enclosure (7).

f. Suspension/revocation of an individual's qualification shall be documented using enclosure (8).

g. All maintenance actions requiring Quality Assurance inspection are listed in enclosure (9).

/S/
R. D. COPENHAVER

TRAINING REQUEST FORM

1. Anyone may fill out a TRAINING REQUEST form.

2. Submit TRAINING REQUEST forms through the chain of command. Training requests should be evaluated and satisfied at the lowest level with capability to perform the training.

3. Division Chiefs verify prerequisites are complete for desired training.

Date _____ Individual _____ Work Center _____

Date _____ W/C LPO _____

---

4. Describe the training or course codes desired and dates preferred.

---

5. Route through your chain of command.

   Division CPO: Signature _____ Date _____

   Division Officer: Signature _____ Date _____

   Department Head: Signature _____ Date _____

---

6. Quota Control describe training and date scheduled:

   Title: _____ CLCVN: _____ Length: _____

   Location: _____ Please circle: Confirmed/ Standby

   Quota Control: Signature _____ Date _____

---

7. Training Officer: Signature _____ Date _____

---

8. Return form to originator and the individual shall return this training request to Quota Control upon completion.

CANCELLATION OF SCHOOLS MUST BE RECEIVED NO LATER THAN 5 DAYS PRIOR TO CLASS START DATE, APPROVED BY THEIR RESPECTIVE DIVISION CHIEF OR DIVISION OFFICER. CHANGES/CANCELLATIONS OF NAVLEAD MUST BE APPROVED BY THE DEPARTMENT HEAD. ENSURE REPLACEMENT CANDIDATES HAVE MET SCHOOL PREREQUISITES PRIOR TO SUBMITTING THEIR NAMES TO QUOTA CONTROL.

DIVISION OFFICER DOCUMENTATION TRAINING FORM FOR ASSIGNED PERSONNEL

NAME_____ **RATE**_____ **SSN**_____

REPORT DATE_____ **WORKCENTER**_____ **PRD**_____

NEC ASSIGNED_____

FORMAL TRAINING COURSES:

"A" SCHOOL_____	DATE_____	DIVO SIG_____
FRAMP_____	DATE_____	DIVO SIG_____
NAMTRA_____	DATE_____	DIVO SIG_____
NAMTRA_____	DATE_____	DIVO SIG_____
FASO COURSE_____	DATE_____	DIVO SIG_____
FASO COURSE_____	DATE_____	DIVO SIG_____
CORROSION CONTROL	DATE_____	DIVO SIG_____
AIRCRAFT FIREFIGHTING	DATE_____	DIVO SIG_____
NAMP INDOC	DATE_____	DIVO SIG_____
HAZMAT SUPERVISOR	DATE_____	DIVO SIG_____
SAFETY SUPERVISOR	DATE_____	DIVO SIG_____
WORK CENTER SUPERVISOR	DATE_____	DIVO SIG_____
QA ADMIN	DATE_____	DIVO SIG_____
COMPASS CAL (AV ONLY)	DATE_____	DIVO SIG_____
FIRST LINE LEADERSHIP DEVELOPMENT PROGRAM	DATE_____	DIVO SIG_____
PRIMARY LEADERSHIP DEVELOPMENT PROGRAM	DATE_____	DIVO SIG_____
ADVANCED LEADERSHIP DEVELOPMENT PROGRAM	DATE_____	DIVO SIG_____

QUALIFICATIONS:

RATE OJT CDI PQS (E1 & ABOVE)	DATE_____	DIVO SIG_____
CDI (E4 & ABOVE)	DATE_____	DIVO SIG_____
CDQAR (E5 & ABOVE)	DATE_____	DIVO SIG_____
SAFE FOR FLIGHT (E6 & ABOVE)	DATE_____	DIVO SIG_____
FLIGHT DECK PHYSICAL (HEARING AND EYE CHECK)	DATE_____	DIVO SIG_____
PLANE CAPTAIN(E1-E5)	DATE_____	DIVO SIG_____
ENGINE CRANK	DATE_____	DIVO SIG_____
HYD CONTAMINATION	DATE_____	DIVO SIG_____
TIRE AND WHEEL	DATE_____	DIVO SIG_____
VIB ANALYSIS(I OR O)	DATE_____	DIVO SIG_____
EAWS QUALIFICATION	DATE_____	DIVO SIG_____
APU	DATE_____	DIVO SIG_____
CPR	DATE_____	DIVO SIG_____
RESPIRATOR	DATE_____	DIVO SIG_____
CAD QUAL (AV, AIRCREW & PR ONLY)	DATE_____	DIVO SIG_____

DIVISION OFFICER DOCUMENTATION TRAINING FORM FOR ASSIGNED PERSONNEL (Con't)

GSE LICENSES:

_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____
_____	DATE_____	DIVO SIG_____

MINIMUM REQUIRED MAINTENANCE TRAINING

WORKCENTER _____ NAME _____ RATE_____

SSN _____ DATE REPORTED _____

MONTHLY TRAINING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MAINT DEPT SAFETY												
GMT												
IN RATE												
PROFESSIONAL												

QUARTERLY TRAINING	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC
FOD PREVENTION				
TOOL CONTROL				
TFOA (NOTE 9)				
CORROSION CONTROL				
EMERGENCY RECLAMATION				
VIBRATION ANALYSIS (NOTE 1 & 9)				
PLANE CAPTAIN (NOTE 2 & 9)				
BATTERY SAFETY (NOTE 3)				
FIRST AID (NOTE 3)				
HYDRAULIC CONTAMINATION (NOTE 9)				
TIRE AND WHEEL				
FUEL SURVEILLANCE (NOTE 4)				
NOAP (NOTE 5)				
ESD (NOTE 6)				

SEMI ANNUAL TRAINING	JAN - JUN	JUL - DEC
EGRESS/EXPLOSIVES CHECK OUT (NOTE 9)		

ANNUAL TRAINING	JAN - DEC		JAN - DEC
QA AUDIT		HAZMAT MGMT & CONTROL	
OIL CONSUMPTION (NOTE 9)		NAVAL AVIATION METCAL	
NAMDRP		HERO (NOTE 9)	
SE MISUSE & ABUSE		T/D COMPLIANCE	
NAVOSH/SAFETY (NOTE 3)		NDI (NOTE 8 & 9)	
SE PMS		AVGFE (NOTE 7 & 9)	

NOTE 1: ONLY REQUIRED FOR QUALIFIED PERSONNEL, 110 AND 040 PERSONNEL.
NOTE 2: ONLY REQUIRED FOR PLANE CAPTAINS AND 310 PERSONNEL.
NOTE 3: DOCUMENT TRAINING ON CHSCWL MAINTENANCE TRAINING LCP ENCL (3).
NOTE 4: ONLY REQUIRED FOR 040, 110, 310 PERSONNEL.
NOTE 5: ONLY REQUIRED FOR 020, 030, 040, 110, 310 PERSONNEL.
NOTE 6: ONLY REQUIRED FOR 040, 050, 130, 210, 220, 230, 310 PERSONNEL.
NOTE 7: ONLY REQUIRED FOR 040, 110, 220 PERSONNEL.
NOTE 8: ONLY NDI TECHNICIANS.
NOTE 9: IF APPLICABLE TO COMMAND.

PROFESSIONAL TRAINING MATRIX

AD PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
ROTOR SYSTEMS	X				X				X			
T-700 ENGINE	X				X				X			
T-700 FUEL SYSTEM		X				X				X		
T-700 OIL SYSTEM		X				X				X		
T-700 ELECT SYSTEM			X				X				X	
T-700 AIR SYSTEM			X				X				X	
APU SYSTEM			X				X				X	
DRIVE SYSTEM				X				X				X
ENGINE INSTR/CONTROLS				X				X				X
AIRCRAFT FUEL SYSTEM				X				X				X

AM PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
APU SYSTEM	X						X					
ENVIRONMENTAL CONT SYS	X						X					
CORROSION ARRESTMENT		X						X				
AIRFRAME STRUCTURE		X						X				
CARGO HANDLING SYSTEM			X						X			
RESCUE HOIST			X						X			
LANDING GEAR				X						X		
FLIGHT CONTROLS				X						X		
ROTOR BRAKE					X						X	
HYD SYSTEMS 1,2, AND B/U					X						X	
UTILITY HYDRAULIC SYSTEM						X						X
ROTOR POSITIONING						X						X

AE PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
RESCUE HOIST	X				X				X			
BLADE FOLD SYSTEM	X				X				X			
DRIVE SYSTEMS	X				X				X			
ELECTRICAL PWR SYSTEMS		X				X				X		
ENGINE/APU/PMS		X				X				X		
LIGHTING/HEATING/VENT		X				X				X		
HYDRAULIC SYSTEMS		X				X				X		
FUEL SYSTEMS			X				X				X	
FIRE DETECT/EXTINGUISHING			X				X				X	
INSTRUMENTS & INDICATORS			X				X				X	
FLIGHT REFERENCE SYSTEM				X				X				X
AFCS				X				X				X
LANDING GEAR SYSTEMS				X				X				X
BLADE DEICE/ICE DET SYS				X				X				X

Enclosure (4)

PROFESSIONAL TRAINING MATRIX (CON'T)

AZ PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
NAVFLIRS	X				X				X			
TECHNICAL DIRECTIVES	X				X				X			
AND PROCEDURES	X				X				X			
CORRESPONDENCE	X				X				X			
AESR		X				X				X		
INTRO TO TECH MANUALS		X				X				X		
TECHNICAL MANUALS		X				X				X		
OMA NALCOMIS		X				X				X		
PMS			X				X				X	
ATPL			X				X				X	
3-M DATA REPORTS			X				X				X	
SCIR			X				X				X	
AIRS				X				X				X
AEMS				X				X				X
AIRCRAFT LOGBOOKS				X				X				X

SK PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
MATERIAL CONTROL	X				X				X			
MATERIAL IDENTIFICATION	X				X				X			
PUBLICATIONS	X				X				X			
INTRO TO MAT MNGT	X				X				X			
AMMRL		X				X				X		
FINANCIAL MNGT		X				X				X		
AVIATION SUPPORT DIVISION		X				X				X		
AMSU		X				X				X		
MAT REQ/RECEIPT PROCESS			X				X				X	
STORAGE			X				X				X	
SURVEYS			X				X				X	
AIRCRAFT INVENTORY REC			X				X				X	
IMRL				X				X				X
IMRL INVENTORY/REPORTING				X				X				X
FLIGHT PACKETS				X				X				X
NALCOMIS				X				X				X

QA PROFESSIONAL	J	F	M	A	M	J	J	A	S	O	N	D
INTRODUCTION TO QA	X				X				X			
QA SAFETY	X				X				X			
NAMDRP		X				X				X		
SE MISUSE & ABUSE		X				X				X		
TECHNICAL PUBLICATIONS			X				X				X	
WORK CENTER AUDITS			X				X				X	
SPECIAL AUDITS				X				X				X
NAMP CORROSION				X				X				X

Enclosure (4)

PROFESSIONAL TRAINING MATRIX (CON'T)

AT PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
AVIONICS DIAGNOSTICS	X				X				X			
EGI	X				X				X			
ADC	X				X				X			
RADALT	X				X				X			
TACAN		X				X				X		
DALS		X				X				X		
LF/ADF		X				X				X		
VOR/ILS		X				X				X		
BLANKING		X				X				X		
DFG			X				X				X	
COMM			X				X				X	
IFF			X				X				X	
FLIGHT DISPLAYS			X				X				X	
MISSION DISPLAYS				X				X				
KEYSET				X				X				
DATA HANDLING				X				X				
DTC				X				X				

PR PROFESSIONAL (H-60)	J	F	M	A	M	J	J	A	S	O	N	D
PRC-90	X				X				X			
CADS/PYROTECHNICS	X				X				X			
SAR EQUIPMENT	X				X				X			
FLIGHT CLOTHING		X				X				X		
ANTI-EXPOSURE EQUIPMENT		X				X				X		
SV-2 VEST		X				X				X		
FLOTATION DEVICES			X				X				X	
HELMETS			X				X				X	
SEWING				X				X				X
PR FUNDAMENTALS				X				X				X

CORR CONTROL PROF	J	F	M	A	M	J	J	A	S	O	N	D
CORROSION PUBS	X						X					
TYPES OF CORR & IDENTIFY	X						X					
THEORY OF CORROSION		X						X				
ALLOY CORR IDENTIFICATION		X						X				
PAINT REMOVAL			X						X			
SEALANT APPLICATION/REM			X						X			
CORR REMOVAL				X						X		
PAINT SYSTEMS				X						X		
AIRCRAFT CLEANING					X						X	
EMERGENCY RECLAMATION					X						X	
AVIONICS CORROSION						X						X
NAMP CORR PROGRAM						X						X

Enclosure (4)

QUALITY ASSURANCE PERSONNEL INDOCTRINATION
MH-60S

Name: _____ Rate: _____ SSN: _____

Sections I, II and III must be completed before testing

SECTION I REQUIRED READING

Reference	Date/Signature	Reference	Date/Signature
COMNAVAIRFORINST 4790.2 Vol. I para 14.1 to 14.7		COMNAVAIRFORINST 4790.2 Vol. I para 10.1 to 10.3	
COMNAVAIRFORINST 4790.2 Vol. V Ch 2,8, 10		NA 00-25-100 WP 005, 007, 010	
COMNAVAIRFORINST 4790.2 Vol. V Ch 12, 13, 14, 20		APPENDIX E's Local Command Procedures	

SECTION II TRAINING
Must be completed before testing

Prerequisite	Date/Signature	Prerequisite	Date/Signature
Corrosion Control School NAMTRA or equivalent		QA ADMIN *(CDQAR/QAR only)*Syllabus	
Aviation Machinist's Mate (AD) Syllabus		Avionics Technician (AT/AE) Syllabus	
Aviation Structural Mechanic (AM) Syllabus		ALSS (ALSS) Syllabus	

SECTION III DIVISIONAL RECOMMENDATION
Must be completed before testing

Interview	Date/Signature	Interview	Date/Signature
Work Center Supervisor		Division Officer	

SECTION IV TESTING

Test	Score/Date/QAR Sign	Test	Score/Date/QAR Sign
COMNAVAIRFORINST 4790.2		Corrosion __	
AD CDI		PR CDI	
AM CDI		AT CDI	
AE CDI			

SECTION IV QA INTERVIEW/RECOMMENDATION
Must be completed before designation

Subject	Date/Signature	Interview	Date/Signature
NALCOMIS Sys Admin		QA LPO	
Technical Library (*CTPL)*		QA CPO	
Responsibilities of Inspectors		QAO	

HSC-28 QA DIVISION
MH-60S
PERSONAL QUALIFICATION SYLLABUS
FOR AVIATION MACHINIST MATE CDI

Name: _____ **Rate:** _____

1. Prerequisite to final certification is supervisor confidence gained thorough satisfactory task performance. Satisfactory task performance shall be monitored on the individuals OJT Syllabus.

2. Qualification, once achieved, is considered current until:
   a. Qualification is removed for cause by command
   b. Individual transfers to another unit

3. Entries shall have the qualifier's initials and dates. At no time will vertical lines be used between initials and dates.

4. This syllabus is used to ensure an individual meets the requirements for Collateral Duty Inspector. Once completed, this form will be filled in the Qualification /Certification Record.

PART I REQUIRED READING	Signature	Date
1. COMNAVAIRFORINST 4790.2 Vol. V Chapter 3	_____	
2. COMNAVAIRFORINST 4790.2 Vol. V Chapter 4	_____	
3. COMNAVAIRFORINST 4790.2 Vol. V Chapter 9	_____	
4. NA 01-1A-35 Sections II and III	_____	

PART II PREREQUISITES	QAR Signature/Date
1. Complete CHSCWL MH-60S W/C 110 Syllabus	_____
2. Complete CHSCWL MH-60S W/C 12C/140 Syllabus	_____
3. 65A102J1-1 License	_____
4. Discuss Fuel Cell Entry Procedures	_____

HSC-28 QA DIVISION
MH-60S
PERSONAL QUALIFICATION SYLLABUS
FOR AVIONICS TECHNICIAN (210/220) CDI

Name: _____ **Rate:** _____

1. Prerequisite to final certification is supervisor confidence gained thorough satisfactory task performance. Satisfactory task performance shall be monitored on the individuals OJT Syllabus.

2. Qualification, once achieved, is considered current until:
   a. Qualification is removed for cause by command
   b. Individual transfers to another unit

"NOTE"

Several items listed are infrequently removed, repaired or adjusted. If the prospective inspector is able to explain satisfactorily how to inspect, remove, replace or adjust these items IAW the MIMS, the CDI, CDQAR or QAR may sign off that particular item.

3. Entries shall have the qualifier's initials and dates. At no time will vertical lines be used between initials and dates. The work center supervisor's initials and dates are mandatory.

4. This syllabus is used to ensure an individual meets the requirements for Collateral Duty Inspector. Once completed, this form will be filled in the Qualification /Certification Record.

PART I OJT TASKS

Instructor/Supervisor Sign off key (print name then sign your initials):

Name:_____ Date:_____ Name:_____ Date:_____
Name:_____ Date:_____ Name:_____ Date:_____
Name:_____ Date:_____ Name:_____ Date:_____
Name:_____ Date:_____ Name:_____ Date:_____

OJT TASK:	INST	DATE	INST	DATE
RADIOS:				
Load ARC-210 Crypto using KYK-13				
Load ARC-210 Crypto using CYZ-10				
IDENTIFICATION FRIEND OR FOE:				
Load IFF Mode 4 Crypto				
DAFCS SYSTEM:				
Perform AFCS Functional Checks				
Perform Accelerometer Nulling Operational Checks				
Troubleshoot AFCS Computer				
Adjust Lateral Accelerometer				

OJT TASK:	INST	DATE	INST	DATE
Potentiometer				
Troubleshoot Autopilot				
Remove/replace Crew Hover Panel				
Remove/replace Vertical Accelerometer				
Perform AFCS Trim Jump Check				
Troubleshoot AFCS Trim				
PRECAUTIONS				
Review A/C Battery Thermal Runaway Procedures				
Review Battery Spill Procedures				
Review ESD Procedures				

PART II PREREQUISITES QAR Signature/date

1. Complete CHSCWL MH-60S W/C 210 Syllabus _____

1. Complete CHSCWL MH-60S W/C 220 Syllabus _____

2. Complete CHSCWL MH-60S W/C 12C/140 Syllabus _____

3. Rotor Blade Fold/Spread Operator _____

4. APU Qualification _____

5. Ordnance Individual _____

6. NC-10 License _____

7. CPR Certified _____

HSC-28 QA DIVISION
MH-60S
PERSONAL QUALIFICATION SYLLABUS
FOR AVIATION STRUCTURAL MECHANIC CDI

Name: _____ **Rate:** _____

1. Prerequisite to final certification is supervisor confidence gained thorough satisfactory task performance. Satisfactory task performance shall be monitored on the individuals OJT Syllabus.

2. Qualification, once achieved, is considered current until:
   a. Qualification is removed for cause by command
   b. Individual transfers to another unit

3. Entries shall have the qualifier's initials and dates. At no time will vertical lines be used between initials and dates.

4. This syllabus is used to ensure an individual meets the requirements for Collateral Duty Inspector. Once completed, this form will be filled in the Qualification /Certification Record.

PART I PREREQUISITES	QAR Signature/date
1. Complete CHSCWL MH-60S W/C 120 Syllabus	_____
2. Complete CHSCWL MH-60S W/C 12C/140 Syllabus	_____
3. Hydraulic Contamination	_____
4. MH-60S Tire and Wheel	_____
5. A/M27T-6 License	_____

HSC-28 QA DIVISION
MH-60S
PERSONAL QUALIFICATION SYLLABUS
FOR ALSS CDI

Name: _____ **Rate:** _____

1. Prerequisite to final certification is supervisor's confidence gained through satisfactory task performance. Satisfactory task performance shall be monitored and documented on the individual's OJT Syllabus.

2. Maintenance qualification entries will be made when an individual is considered fully qualified to perform maintenance tasks on the aircraft system, subsystem, or equipment without supervision. Work center LPO's have qualification certification authority.

"NOTE"

Several items listed are infrequently removed, repaired or adjusted. If the prospective inspector is able to explain satisfactorily how to inspect, remove, replace or adjust these items IAW the MIMS, the CDI, CDQAR or QAR may sign off that particular item.

3. Qualification, once achieved, is considered current until:
   a. Qualification is removed for cause by command
   b. Individual transfers to another unit

4. Entries shall have the qualifier's initials and dates. At no time will vertical lines be used between initials and dates. The work center supervisor's initials and dates are mandatory.

The ALSS Work Center Supervisor uses this syllabus to document ALSS OJT leading to job task qualification as a technician. The squadrons ALSS work center LPO will be the only one that initials as the QA and work center supervisor on this form. OJT events shall be documented for all maintenance related tasks until the trainee is qualified. The ALSS Work Center LPO shall sign-off OJT tasks when satisfied the trainee is fully qualified to perform tasks without supervision. The final qualification decision rests with the ALSS work center LPO. This OJT syllabus is to be maintained on the OJT board in the work center and updated regularly to ensure awareness of remaining OJT tasks. Once completed, this form will be filed in the Qualification/Certification Record.

PART I OJT TASKS

Instructor/Supervisor Sign off key (print name then sign your initials):

Name:_____	Date:_____	Name:_____	Date:_____
Name:_____	Date:_____	Name:_____	Date:_____
Name:_____	Date:_____	Name:_____	Date:_____
Name:_____	Date:_____	Name:_____	Date:_____

OJT TASK:	INST	DATE	INST	DATE
SURVIVAL RADIOS:				
Inspect/perform authorized maintenance/verify T.D. compliance/document history record 4790/138 and VIDS/MAF on the following:				
PRC-149 Radio GPS Acquisition				
PRC-149 Radio Bit Test				
Battery Load Test				
NOTE: Utilize current CHTWP T.D. listing for applicable directives.				
RESCUE EQUIPMENT:				
Inspect/perform authorized maintenance/verify T.D. compliance/document history record 4790/138 and VIDS/MAF on the following:				
Replace weak link on alternate 90 day				
SAR med “A” kit 90 day				
HEEDS refill unit for Annual and Hydro inspection				
Top off HEEDS using SCUBA cylinder				
HEED Refill for Calibration Date				
HABD bottle (SRU-40/P) 90 day				
Top off HABD using CQU-10/U PRS				
Quick Splice Plate 180 day				
Cable Grip 180 day				
Pneumatic Rescue Hand Tool 180 day				
Aircrew Safety Belt 90 day				
INFLATABLE EQUIPMENT:				
Inspect/perform authorized maintenance/verify T.D. compliance /Document history record 4790/138 and VIDS/MAF on the following:				
LPU-32/P 30/224 day				
LPU-34 “Air Safe”				
CMU-33 “Air Safe”				
LRU-31/A 30/180/360 day				
SURVIVAL VESTS/SURVIAL ITEMS /SAR SWIMMERS EQUIPMENT AND GENERAL PURPOSE FLIGHT EQUIPMENT:				
Inspect/perform authorized maintenance/verify T.D. compliance /Document history record 4790/138 and VIDS/MAF on the following:				
Fit CMU-33 to aircrew				
Miscellaneous Survival Items 90 day				
SAR Swimmers Harness 90 day				
Swimmers wet suit 90 day				
Swimmers Mask, Fins, Snorkel 90 day				

OJT TASK:	INST	DATE	INST	DATE
Swimmers knife/s 90 day				
CWU-64/P Coverall 360 day				
CWU-36/P Summer flyers jacket 360 day				
G-1 Flyers jacket 360 day				
CWU-17/CWU-45 Flyers jacket 360 day				
GS/FRP-2 Flyers gloves 360 day				
SDU-39 (Strobe Light)				
SDU-5E (Strobe Light)				
SEWING/FABRICATION:				
Sewing machine – Time and adjust tension				
Perform P.M. on sewing machine				
Lubricate sewing machine				
Local manufacture projects				
Discuss different types of materials utilized in local manufacturing				
Discuss different types of thread utilized for local manufacturing				
Discuss different types of webbing used for local manufacturing				

PART II PREREQUISITES QAR Signature/date

1. Complete CHSCWL MH-60S W/C 130 Syllabus _____

2. Ordnance Individual _____

HSC-28 QA DIVISION
MH-60S
PERSONAL QUALIFICATION SYLLABUS
FOR CDQAR/QAR

Name: _____ Rate: _____

1. Prerequisite to final certification is supervisor confidence gained through satisfactory task performance. Satisfactory task performance shall be monitored and documented on the individual's OJT syllabus.

2. Qualification entries will be made when an individual is considered fully qualified to perform tasks without supervision. Work center supervisors have qualification certification authority.

3. Qualification, once achieved, is considered current until:

   a. Qualification is removed for cause by command
   b. Individual transfers to another unit.

4. Entries shall have the qualifier's initials and dates. At no time will vertical lines be used between initials and dates. The Work Center Supervisor's initials and dates are mandatory.

5. This syllabus is used to document OJT leading to job task qualification by the Work Center Supervisor. OJT events shall be documented for all related tasks until the trainee is qualified. The Work Center Supervisor may sign off qualification when satisfied the trainee is fully qualified to perform tasks without supervision. This may be accomplished after only one OJT event or it may require many; the decision rests with the work center supervisor. <u>This OJT syllabus is to be maintained in a centralized location accessible to the trainee at all times. When designated as a CDQAR or QAR, this form will be filed in the Certification/Designation section of the Qualification/Certification Record (Left Side) behind the Designation Form.</u>

PART I OJT TASKS

OJT/Instructor/Supervisor Sign off Key (print Date then sign your initials):

Name:_____	Date:_____	Name:_____	Date:_____
Name:_____	Date:_____	Name:_____	Date:_____
Name:_____	Date:_____	Name:_____	Date:_____
Name:_____	Date:_____	Name:_____	Date:_____

OJT TASK:	QUALIFIER	DATE	QUALIFIER	DATE
DUTIES AND RESPONISBILITIES				
Discuss the concept of QA				
Discuss the purpose of CDI's				
Discuss the purpose of CDQAR's				
Discuss the purpose of QAR's				
DEMONSTRATE THE USE OF THE FOLLOWING:				
IETM'S				
MIM'S				
MRC'S				
IPB'S				
NAVAL AIR MAINTENANCE DISCREPANCY REPORTING PROGRAM (NAMDRP):				
Discuss criteria for an HMR				
Discuss a CAT I QDR				
Initiate a CAT I QDR				
Discuss a CAT II QDR				
Initiate a CAT II QDR				
Discuss an EI				
Initiate an EI				
Discuss a CAT I TPDR				
Initiate a CAT I TPDR				
Discuss a Combined Report				
Initiate a Combined Report				
Discuss an ADR				
Initiate an ADR				
NAVAL AIRBORNE WEAPONS MAINTENANCE PROGRAM (AWCAP):				
Discuss the EMR/ EIR				
Initiate an EMR/ EIR				
Discuss the CODR/EIR				
Initiate a CODR/ EIR				
Discuss the EMR				
Initiate an EMR				
Discuss the CODR				
Initiate a CODR				
Discuss a PQDR CAT I AND II				
Initiate a PQDR CAT I AND II				
SAFETY CONSIDERATIONS:				
Monitor Hangar Deck Maintenance				
QA AUDIT AND INSPECTION PROGRAM:				
Discuss QA Managed Programs				
Discuss QA Monitored Programs				
Discuss the purpose of QA Audits				
Discuss the types of Audits				
PERFORM PROGRAM AUDITS ON THE FOLLOWING:				
Maintenance Control (020)				

OJT TASK:	QUALIFIER	DATE	QUALIFIER	DATE
Logs and Records (021)				
Data Analyst (NALCOMIS)				
Material Control (050)				
Tool Room (05D)				
Any production Work Center: ie: 110, 120, 220, etc.				
PERFORM AN AUDIT ON THE FOLLOWING:				
Maintenance Training				
Fuel Surveillance				
Navy Oil Analysis (NOAP)				
Hydraulic Contamination Control				
Tire and Wheel Maintenance Safety				
Quality Assurance Audit				
Maintenance Department / Division Safety				
Naval Aviation Maint. Discrepancy Reporting (NAMDRP)				
Foreign Object Damage (FOD)				
Tool Control Program				
Corrosion Prevention and Control				
Plane Captain Qualification				
Support Equipment Operator Training and Licensing				
Support Equipment Planned Maintenance System				
Technical Publication Library				
Naval Aviation Metrology and Calibration				
Nondestructive Inspection (NDI)				
Hazardous Material Control and Management				
Electrostatic Discharge				
Technical Directive (TD) Compliance				
Phase Maintenance				
Vibration Analysis				
Battery Maintenance Safety				
Explosive Handling Personnel Qualification/ Certification				
Oil Consumption				
SE Misuse/ Abuse				
PERFORM THE FOLLOWING:				
P/C Spot Check				
CDI Spot Check				
In-process Inspection				
Final Inspection				
Receiving or Screening Inspection				
ADMINISTRATION:				
Review incoming TD's				
Review incoming Publications				

OJT TASK:	QUALIFIER	DATE	QUALIFIER	DATE
Review incoming IETM changes				
Review ERACS for IETM's				
Review NAMPSOP's				
Discuss AD HOC				
Build AD HOC query				
FUNCTIONAL CHECK FLIGHT:				
Prepare FCF Book				
Perform FCF Brief/ Debrief				
Review completed FCF Book				

PART II PREREQUISITES QAR Signature Date

1. MH-60S AVAP Interpreter _____

2. Complete CHSCWL MH-60S QA Syllabus _____

3. CPR Certified _____

CDI WAIVER REQUEST

Date: _____

From: Workcenter/Detachment _____ Division Officer
To: Maintenance Officer
Via: QAO/AQAO

Subj: QA request for CDI Requirements Waiver for:

1. _____ _____
Rate/Name SSN

Member meets all the requirements for Collateral Duty Inspector (CDI) except for the requirements of pay grade, time in the squadron, or other _____. Member has demonstrated the ability to handle the extra responsibilities that are required of a CDI.

2. Justification:

_____
_____
_____
_____
_____
_____

Very Respectively,

_____
Division Officer

3. FORWARDED, RECOMMENDED APPROVAL/DISAPPROVAL

_____ _____
QAO/AQAO Date

_____

From: Maintenance Officer
To: Workcenter/Detachment _____ Division Officer

Subj: CDI WAIVER REQUEST

1. RETURNED, APPROVED/DISAPPROVED

_____ _____
Maintenance Officer Date

QUALIFICATION SUSPENSION/REVOCATION FORM

Date _____

From: Maintenance Officer
To: _____

Via: Quality Assurance Officer

Subj: SUSPENSION/REVOCATION OF QUALIFICATION

Ref: (a) COMNAVAIRFORINST 4790.2, Volume I Chapter 14

1. In accordance with reference (a), your qualification(s) as _____ _____ is/are suspended/revoked.

2. Justification for suspension/revocation: _____

_____

_____

_____

_____

3. This suspension/revocation is in effect for a period of _____ days, at which time a re-evaluation of the qualifications will be completed to consider reinstatement.

_____
Maintenance Officer

Copy to:
Division Officer's File
Quality Assurance Officer

Enclosure 8

MAINTENANCE ACTIONS REQUIRING QUALITY ASSURANCE

PHASE A IN-PROCESSES REQUIRED

120 WITNESS HYD SAMPLE RESULTS
120 CENTER STABILATOR TQ'S
120/220 CENTER STABILATOR LOWER ACTUATOR TO STAB TQ
120 PT/STBD OUTBD STAB TQ'S
120 COLL, YAW BOOST SERVO'S PIN COLLAR INSP
120 PRIMARY SERVO'S FWD, AFT, LAT PIN COLLAR INSP
120 TAIL ROTOR SERVO PIN COLLAR INSP
120/110 MAIN ROTOR BLADE TIP CAP TQ'S
120 FOD CHECK PRIOR TO PANEL CLOSURES
110 DESWIRL DUCT CLAMP TQ
110 UPPER/LOWER PRESSURE PLATE TQ'S
110 ENGINE OTPUT SHAFT FLEXIBLE COUPLING TQ'S
110 INPUT MODULE FLANGE NUT TQ'S
110 INSTALL ENGINE INLETS
110 NO.5 DRIV SHAFT BOLT TOQ
110 SAFETY WIRE TOP AND LOWER LUBICATION PORTS
110/120/210/220 ALL FOD
120 WIPER BLADE TO LINK ARM NUT TQ
110 SHAFT BEARING SUPPORT TQ
110 NO.1 LDS ROLL PIN
110 NO.1 ENGINE LOAD DEMAND SPINDLE CONTROL CABLE FRICTION CHECK
110 INBOARD RETENTION PLATE TQ/SAFETY WIRE
110 PITCH BEAM SHAFT BOLT TQ TO SERVO
110/120 CAVITY INSP TAIL GEAR BOX PRIOR TO TAIL SERVO INSTALL
110 OUTBD RETENTION PLATE TQ
110/120 TAIL ROTOR PITCH BEAM RETAINING NUT TQ/SAFETY WIRE
110 TAIL ROTOR PITCH CHANGE LINK TQ'S

PHASE B IN PROCESS REQUIRED

120 WITNESS HYD SAMPLE RESULTS
120 CENTER STABILATOR TQ'S
120/220 CENTER STABILATOR LOWER ACTUATOR TO STAB TQ
120 PT/STBD OUTBD STAB TQ'S
120 COLL, YAW BOOST SERVO'S PIN COLLAR INSP
120 PRIMARY SERVO'S FWD, AFT, LAT PIN COLLAR INSP
120 TAIL ROTOR SERVO PIN COLLAR INSP
120/110 MAIN ROTOR BLADE TIP CAP TQ'S
120 FOD CHECK PRIOR TO PANEL CLOSURES
110 DESWIRL DUCT CLAMP TQ
110 UPPER/LOWER PRESSURE PLATE TQ'S
110 ENGINE OTPUT SHAFT FLEXIBLE COUPLING TQ'S
110 INPUT MODULE FLANGE NUT TQ'S
110 INSTALL ENGINE INLETS
110 SAFETY WIRE TOP AND LOWER LUBICATION PORTS
110/120/210/220 ALL FOD
110 TAIL DRIVE SHAFT FLEX COUPLING BOLT TQ (ALL)
110 AXIAL FAN INPUT FLANGE STABILIZATION CHECK
120 MAIN ROTOR DAMPNER BOLT TQS

110 NO.2 LDS ROLL PIN
110 NO.2 ENGINE LOAD DEMAND SPINDLE CONTROL CABLE FRICTION CHECK

PHASE C IN-PROCESS REQUIRED

120 WITNESS HYD SAMPLE RESULTS
120 CENTER STABILATOR TQ'S
120/220 CENTER STABILATOR LOWER ACTUATOR TO STAB TQ
120 PT/STBD OUTBD STAB TQ'S
120 COLL, YAW BOOST SERVO'S PIN COLLAR INSP
120 PRIMARY SERVO'S FWD, AFT, LAT PIN COLLAR INSP
120 TAIL ROTOR SERVO PIN COLLAR INSP
120/110 MAIN ROTOR BLADE TIP CAP TQ'S
120 FOD CHECK PRIOR TO PANEL CLOSURES
110 DESWIRL DUCT CLAMP TQ
110 UPPER/LOWER PRESSURE PLATE TQ'S
110 ENGINE OTPUT SHAFT FLEXIBLE COUPLING TQ'S
110 INPUT MODULE FLANGE NUT TQ'S
110 INSTALL ENGINE INLETS
110 NO.5 DRIV SHAFT BOLT TOQ
110 SAFETY WIRE TOP AND LOWER LUBICATION PORTS
110/120/210/220 ALL FOD
120 WIPER BLADE TO LINK ARM NUT TQ
110 SHAFT BEARING SUPPORT TQ
110 NO.1 LDS ROLL PIN
110 NO.1 ENGINE LOAD DEMAND SPINDLE CONTROL CABLE FRICTION CHECK
110 INBOARD RETENTION PLATE TQ/SAFETY WIRE
110 PITCH BEAM SHAFT BOLT TQ TO SERVO
110/120 CAVITY INSP TAIL GEAR BOX PRIOR TO TAIL SERVO INSTALL
110 OUTBD RETENTION PLATE TQ
110/120 TAIL ROTOR PITCH BEAM RETAINING NUT TQ/SAFETY WIRE
110 TAIL ROTOR PITCH CHANGE LINK TQ'S

PHASE D IN-PROCESS REQUIRED

120 WITNESS HYD SAMPLE RESULTS
120 CENTER STABILATOR TQ'S
120/220 CENTER STABILATOR LOWER ACTUATOR TO STAB TQ
120 PT/STBD OUTBD STAB TQ'S
120 COLL, YAW BOOST SERVO'S PIN COLLAR INSP
120 PRIMARY SERVO'S FWD, AFT, LAT PIN COLLAR INSP
120 TAIL ROTOR SERVO PIN COLLAR INSP
120/110 MAIN ROTOR BLADE TIP CAP TQ'S
120 FOD CHECK PRIOR TO PANEL CLOSURES
110 DESWIRL DUCT CLAMP TQ
110 UPPER/LOWER PRESSURE PLATE TQ'S
110 ENGINE OTPUT SHAFT FLEXIBLE COUPLING TQ'S
110 INPUT MODULE FLANGE NUT TQ'S
110 INSTALL ENGINE INLETS
110 SAFETY WIRE TOP AND LOWER LUBICATION PORTS
110/120/210/220 ALL FOD
110 NO.2 LDS ROLL PIN
110 NO.2 ENGINE LOAD DEMAND SPINDLE CONTROL CABLE FRICTION CHECK

110 TAIL DRIVE SHAFT FLEX COUPLING BOLT TQ (ALL)
110 AXIAL FAN INPUT FLANGE STABILIZATION CHECK
120 MAIN ROTOR DAMPNER BOLT TQ'S
110 MAIN ROTOR SPINDLE DE-CUE
110 MAIN ROTOR SPINDLE CUE-UP
110 QA FINAL SPINDLE BUILD UP
110 RUN ON TQ'S TO HUB INSERTS PRIOR TO SPINDLE INSTALLATION
110 SPINDLE TO MAIN ROTOR HUB TQ'S
110 SPINDLE INSERTS RUN ON TQ CHECK PRIOR TO BLADE INSTALLATION
110 MAIN ROTOR BLADES TO SPINDLES TQ

28 DAY IN-PROCESS REQUIRED
110 INSTALL ENGINE INLETS

56 DAY IN-PROCESS REQUIRED
ALL FOD INSPECTIONS PRIOR TO COCKPIT FLOOR PANEL INSTALL

112 DAY IN-PROCESS REQUIRED
120 COCKPIT ENTRY STEP TQ'S

180 DAY IN-PROCESS REQUIRED
ALSS FIRE BOTTLE INSTALL TAMPER SEAL

364 DAY IN-PROCESS REQUIRED
120 PILOT/COPILOT OVERHEAD PUSHROD TO LOWER TQ SHAFT BOLT TQ'S
120 FOD INSPECTION COCKPIT FLOORING
120 UPPER DECK PUSHROD TO COLLECTIVE BOOST SERVO TQ'S
120 UPPER DECK PUSHROD TO PITCH TRIM SERVO TQ'S
120 UPPER DECK PUSHROD TO ROLL TRIM SERVO TQ'S
120 UPPER DECK PUSHROD TO YAW TRIM SERVO TQ'S
120 COLLECTIVE BOOST SERVO TO MIXER PUSHROD TQ'S
120 YAW BOOST SERVO TO MIXER PUSHROD TQ'S
120 ROLL MIXER INPUT PUSHROD TQ'S
120 MIXER PITCH INPUT LINK TQ'S
120 REMOVAL, INSPECTION AND INSTALLATION OF FWD/AFT BRIDGE
110 VACUUM PORTION OF ENGINE FUEL FEED INTEGRITY TEST
110 INSTALLATION OF FIRE EXTINGUISHING CONTAINERS
110 INSTALLATION OF DIRECTIONAL CONTROL VALVE
110 INSTALLATION OF TWO-WAY CHECK VALVES

10 HOUR IN-PROCESS REQUIRED
120 MEASUREMENT OF UPPER CABIN STRUCTURE BEAM CRACKS FOUND DURING 30 HOUR INSPECTION

30 HOUR IN-PROCESS REQUIRED
110 PCR BOLT CLAMP UP CHECK (QA WILL WITNESS IF CDI FINDS BOLT SPINS DURING CHECK)
120 INBOARD AND OUTBOARD DAMPNER BOLT CLAMP-UP CHECK
120 COCKPIT STEP TQ'S (IF ROLL VIBRATION COVER REMOVAL NEEDED)

60 HOUR IN-PROCESS REQUIRED

120 SWASHPLATE SPHERICAL BEARING INSPETION (TQ IS PERFORMED ONLY IF LINK ASSY P/N 70400-08110-049 / -050 & 70400-08151-048 INSTALLED)

525 HOUR IN-PROCESS REQUIRED

110 IPS BLOWER INSTALLATION

1000 HOUR IN-PROCESS REQUIRED

110 INSTALLATION OF MGB STRAINER

CONDITIONAL INSPECTIONS IN-PROCESSES REQUIRED

AIRFRAMES AIRSPEED OPERATING LIMITS
LIGHTING STRIKE
WIRE STRIKE
HARD LANDING
HORIZONTAL STAB CONTACTS GROUND
CARGO HOOK LOAD EXCEEDS 6000 LBS
FLIGHT CONTROL BINDING
DISCHARGE FIRE EXTINGUISHERS
RESCUE HOIST SLIPPAGE
ENGINE OVER TEMP
ENGINE OVERSPEED
ENGINE OVER TORQUE
ENGINE GAS GENERATOR OVERSPEED
ENGINE OIL TEMP
ENGINE OIL PRESSURE EXCEEDED
XMSN/RTR SYSTEM OVERSPEED
XMSN OVER TORQUE
XMSN OIL OVER TEMP
XMSN LOW OIL TEMP
XMSN/GEARBOX LEAKAGE
MAIN RTR BLADE SUDDEN STOPPAGE
MAIN RTR BLADE CONTACTS TAILCONE/PYLON
TAIL RTR SUDDEN STOPPAGE
DROOPSTOP POUNDING
MAIN RTR BLADE DROOP
HIGH WINDS OVER 70 KNOTS
TAIL RTR TEETER CHECK

W/C 120 IN-PROCESS REQUIRED

MAIN LANDING GEAR SHOCK STRUT TQ
FLIGHT CONTROL
PRIMARY SERVO’S
PRIMARY SERVO’S INPUT RODS
MIXING UNIT
ROLLIMETERS, STOPS
CONTROL RODS
PILOT/COPILOT’S COLLECTIVE/CYCLIC STICK
STICK STOPS
COCKPIT FOD CHECK PRIOR TO FLR BDS INSTALL

COLL. CYCLIC, YAW PEDAL BOOTS FOD CHECK PRIOR TO INSTALL
BALANCE SPRING COLL. LAT. R/R
YAW PEDALS R/R
PEDAL ADJUSTER INPUT ROD
CABIN FLT CONTROL INSTALATION
RIGGING FULL/ABREVIATED
FWD BRIDGE ASSY
AFT BRIDGE ASSY
PT/STBD/AFT TIE RODS
SWASHPLATE LINKS FWD/AFT/LAT
DAMPERS

ENGINE IN-PROCESS REQUIRED

110 TRUNION ADAPTER CAPTIVE SCREW TQ
110 TQ REATOR INPUT MODULE FLANGE
110 ENGINE MOUNT LINK TQ
110 FWD SUPPORT TUBE TO GIMBAL TQ
110 OUTER ENGINE MOUNT STRUT TQ
110 LOWER ENGINE MOUNT SUPPORT TQ
110 FLEX COUPLING TQ
110 FUEL BOOST PUMP B-NUT TQ
110 LDS RIG AND FRICTION CHECK
110 POWER-AVAILABLE SPINDLE RIG AND FRICTION CHECK
110 CROSS BLEED AIR TUBE TQ
110 U-BAND CLAMP AND SAFETY WIRES
110 STARTER CLAMP TQ
110 FOD CHECK
110 AIR INLET FOD CHECK
110 BORESCOPE ENGINE
110 ALTERNATOR STATOR AND ROTOR TQ
110 ACCESSORY GEAR BOX CARBON SEAL TQ
110 LUBE AND SCAVENGE PUMP MOUNT TQ
110/220 DIGITAL ELECTRONIC CONTROL AND SCROLL SEAL TQ
110 ANTI-ICING BLEED/START VALUE TQ
110 OIL PRESSURE TRANSMITTER TQ
110 SCAVENGE SCREEN TQ
110 OIL MANIFOLD ASSEMBLY SCREWS
110 OIL MANIFOLD CAPTIVE BOLTS TQ
110 NO.1 CARBON SEAL NUT TQ
110 QA FINAL

MAIN ROTOR HEAD IN-PROCESS REQUIRED

110 REMOVAL REACTOR PLATE TO MAIN ROTOR SHAFT TQ
110 MAIN ROTOR HEAD INSTALLATION
110 BIFILAR TQ
110 MAIN ROTOR SHAFT EXTENSION
110 RUN ON TQ
110/120 EXPANDABLE PIN TQ’S X3
110 MAIN ROTOR HUB TQ
110 MAIN ROTOR UPPER PRESSURE PLATE BREAKAWAY TQ’S
110 MAIN ROTOR HEAD TQ

110 UPPER PCR TQ
110 LOWER PCR TQ TO SWASHPLATE
110 MAIN ROTOR HEAD SLIP RING
110 DROOP STOP TQ ANTI-FLAP TQ
110 SPINDLE RETAINING NUT TQ
110/220 BLADE FOLD ACTUATOR TQ
110 FOD CHECK
110 MAIN ROTOR HINGE WEIGHTS TQ
110 BUMPER INSTALLATION NO.4 BLADE TQ
110 SPINDLE TQ
110 SPINDLE INSERT RUN-ON TQ
110 MAIN ROTOR BLADES INSTALLATION TQ
110/120 TIP CAP SCREW TQ

TAIL ROTOR IN-PROCESS REQUIRED
110 TAIL ROTOR BLADE OUTBOARD RETENTION PLATE O-RING
110 INBD RETENTION PLATE TQ
110 OUTBD RETENTION PLATE TQ
110 PITCH BEAM NUT TQ
110 PCL JAM NUT TQ
110 PCL INSTALLATION TQ
110 BALANCE WEIGHT TQ
110 FOD CHECK

MAIN XMSN IN-PROCESS REQUIRED
110 MAIN MODULE BARREL NUT RUN-ON TQ
1110 MAIN XMSN MOUNTING TQ
120 BRIDGE AFT SUPPORT AND ARM TQ
120 BRIDGE FWD SUPORT TQ
110 NO.1 DRIVE SHAFT TQ
110 LEFT AND RIGHT INPUT MODULE WITH ACCESSORY GEAR BOX TQ
120 RIGGING CHECK MAIN ROTOR
110 FOD CHECK FINAL

INTERMEDIATE GEAR BOX IN-PROCESSES REQUIRED
110 SHIM STACKUP
110 BARREL NUT TQ CHECK
110 MOUNTING TQ

TAIL GEAR BOX IN-PROCESSESS REQUIRED
110 BARREL NUT TQ
110 SHIM INSTALLATION
110 MOUNTING BOLT TQ
110/120 QA CAVITY CHECK PRIOR TO SERVE INSTANT
110 INPUT FLANGE NUT TQ
110 SPLIT CONE INSTALLATION

OIL COOLER/FAN IN-PROCESSES REQUIRED
110 OIL COOLER FAN, PRELOAD CHECK
110 OIL COOLER FAN TQ
110 DRIVE SHAFT 1 THRU 6 TQ, SPRING ALIGNMENT CHECK

110 DISCONNECT SHAFT TQ
110 NO.5 AND NO.6 SHAFT TQ
110 SHAFT NUT TQ
110 FLEX COUPLING TQ
110 TAIL SHAFT COUPLING GUIDE COTTER PIN
110 INPUT FLANGE NUT TQ
110 SEAL INPUT JAW MOUNT TQ
110 DISCONNECT COUPLING ALIGNMENT CHECK

FUEL CELL IN-PROCESS REQUIRED

110 MAIN FUEL BOOST PUMP TQ
110 MAIN FUEL BOOST PUMP SENSING HOSE
110 ELECTRICAL WIRING HOSE TO FUEL BOOST PUMPS
110 QA INTERNAL FOD CHECK
110 FUEL CELL COVER TQ
110 QA FINAL

W/C 220 IN-PROCESS REQUIRED

110/220 DIGITAL ELECTRONIC CONTROL AND SCROLL SEAL TQ
120/220 STABILATOR ACTUATOR UPPER/LOWER BOLT'S
120/220 STABILATOR ACTUATORS TQ
220 STABILATOR POSITION SENSOR
220 CANNON PLUG'S STABILITY AUGEMTATION SYSTEM (ASU-47/A)
220 DIGITAL AUTOMATIC FLIGHT CONTROL SYSTEM INSTALL
220 SLIPRING TQ

POST WEAPONS USAGE FOD CHECK

110 REMOVAL/INSTALLATION
120 REMOVAL/INSTALLATION
210/220 REMOVAL/INSTALLATION
13A REMOVAL/INSTALLATION

COLLATERAL DUTY ASSIGNMENT FORM

Date:_____

From: _____ Workcenter Supervisor
To: _____

Subj: ASSIGNMENT AS PRIMARY/ALTERNATE PETTY OFFICER DUTIES AND RESPONSIBILITIES

Ref: See Note

1. You are assigned the collateral duty of _____ Petty Officer for DET/workcenter _____. You will familiarize yourself with the duties and responsibilities set forth in reference listed below. You are responsible to your command and work center supervisor for the performance of your duties. You will keep your supervisor informed of the status and any difficulties concerning your collateral duty.

I have read the duties and responsibilities set forth in the below listed references and accept this assignment.

SIGNATURE: _____ DATE: _____

Work Center Supervisor: _____ Date: _____

Division Officer: _____ Date: _____

***Note: List all specific pertinent instructions and/or publications below. For longer instructions such as OPNAV 4790.2 series, list volume and chapter number. (Recommend QA monitor list of references to ensure all applicable instructions are listed and to ensure uniformity). This will standardize the format for collateral duty assignment form.**

References:

_____

_____

_____

_____

_____

_____

_____

HSC-28 MH-60S HELICOPTER ROTOR BLADE FOLD/SPREAD OPERATOR TRAINING SYLLABUS

NAME: _____ RATE: _____ DATE REPORTED: _____

A. Candidates for MH-60S helicopter BF/S certification will complete this training syllabus prior to testing and designation.

B. MH-60S Helicopter BF/S training qualifiers will ensure candidates fully understand subject matter prior to signing this syllabus. With the exception of Part 1, all signatures will be those of designated training qualifiers.

1. Required Reading: Trainee signature required.

SIGNATURE/ DATE

(a) A1-H60SA-GAI-010, WP 003-00 _____
(b) A1-H60SA-GAI-010, WP 004-00 _____
(c) A1-H60SA-150-100, WP 006-00 _____
(d) A1-H60SA-150-200, WP 006-00 _____

2. Prerequisites:
(a) NC-10 expiration date _____
(b) APU expiration date _____

3. Blade fold/spread system description

_____

4. Component description/purpose:

(a) Blade Fold Control Panel _____
(b) Miscellaneous Switch Panel _____
(c) Main Rotor Slip Ring _____
(d) Blade Anti-Ice Distributor _____
(e) Blade Fold Actuator _____
(f) Pitch Lock Actuator _____
(g) Blade Fold Index Drive Unit _____
(h) Tail Rotor Blade Positioner Actuator _____
(i) Pylon Lockpin Switch _____
(j) Stabilator Lockpin Switches _____
(k) Fold Limit Switches _____

SIGNATURE/DATE

(l) Blade Lockpin Switches _____
(m) Miscellaneous Relay Panel _____
(n) Spindle _____

5. Principles of operation:

(a) Fold Sequence _____
(b) Spread Sequence _____
(c) Pylon and Stabilator Fold _____
(d) Manual Blade Fold _____
(e) Manual Blade Spread _____
(f) Blade Fold Test Set, Fold _____
(g) Blade Fold Test Set, Spread _____

6. Practical on the job training: Candidates will perform the following BF/S evolutions, under the direct supervision of a BF/S training qualifier.

(a) Automatic Blade Fold: NC-10 1)_____
APU 2)_____
NC-10/APU 3)_____
(b) Automatic Blade Spread: NC-10 1)_____
APU 2)_____
NC-10/APU 3)_____
(c) Blade Fold using Blade Fold Test Set:
1)_____
2)_____
3)_____
4)_____
5)_____
(d) Blade Spread using Blade Fold Set:
1)_____
2)_____
3)_____
4)_____
5)_____

7. Written Test:

(a) Date: _____

(b) Test Grade: _____/ Pass or Fail

(c) QA Signature: _____

From: HSC-28 Division Officer_____
To: Maintenance Office, HELSEACOMBATRON TWO EIGHT

Via: NATOPS Officer
Quality Assurance Officer

Subj: MH-60S HELICOPTER ROTOR BLADE FOLD/SPREAD (BF/S) OPERATOR DESIGNATION

1. _____is recommended for (BF/S) Operator designation for the MH-60S Aircraft.

CERTIFICATION: I understand my responsibility as set forth under local command procedures. I have completed the required training syllabus and passed the written, oral, and practical examinations covering those items essential to understanding the operation and safety requirements as a (BF/S) Operator.

_____ _____
Signature of Candidate Date

_____ _____
Division Officer Date

NATOPS Officer endorsement
Recommendation: Approved Disapproved

_____ _____
Signature Date

Quality Assurance Officer endorsement
Recommendation: Approved Disapproved

_____ _____
Signature Date

Maintenance Officer
Recommendation: Approved Disapproved

_____ _____
Signature Date
